

EMS Education in Alabama

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- I'm an educator so I'm good at writing quizzes -

Quiz

- What animal causes more deaths each year in Alabama?



Others?

**WRONG ... it's
BAMBI**





EMS in Alabama and Nationally

- EMS levels
- Skills and Medications
- Curriculum changes
- Degree program

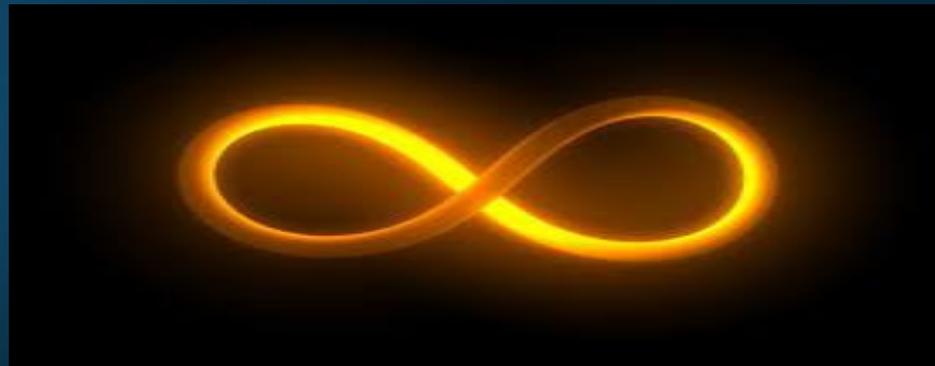


New EMS Structure

- Basic –
 - Chemistry and Pathophysiology additions
 - Assessment changes
- AEMT – rules pending – expected
 - Protocols being finalized now
 - Skills
- Paramedic
 - No additions
 - More in depth science education

Changes

- The more things changed, the more things remain the same.
- We've come full circle
 - Like the last 20 years didn't exist!





Basic

- **OLD – OLD** – (Pre 1994)
 - Primary assessment, secondary assessment
 - diagnosis
- **OLD** – (1994 – 2009)
 - Initial assessment; detailed physical exam, ongoing assessment
 - no diagnosis
- **NEW** –
 - Primary assessment, secondary assessment, reassessment
 - diagnosis



Terminology change

- Basic EMT is now just EMT
 - EMT
- Advanced EMT is AEMT
 - AEMT
- Paramedic is no longer EMT-P
 - Paramedic

Suggested - NRP



Advanced EMT

- New level – licenses beginning in Dec.
- Similar to old Intermediate
- National Registry testing begins in July 1.

- Schedule
 - One semester
- Advantages



Advanced EMT Skills

- Gain IV access
 - Administer IV fluids
- Gain intraosseous access for pediatric patients
 - Administer IV fluids
- Insert supraglottic airways
 - King airway, combitube, etc
- IN ALABAMA - CPAP



Advanced EMT Skills

- **NOT ALLOWED:**
 - Intubation
 - Defibrillation – only with AED



Nationally Approved Medications

- Aspirin
- Nitroglycerin – Paste, spray, tablets
- Epinephrine – Sub-q and IM
- Albuterol
- Dextrose (50%)
- Glucagon
- Glucose (oral)
- Naloxone
- Oxygen
- Nitrous Oxide



Alabama Approved Medications

- Thiamine
- Ondansetron (Zofran)



Paramedic

- No skill or medication changes
- Curriculum enhanced.



National Registry Exams

- Test revisions:
 - 5 content areas instead of 7
 - Airway, Ventilation and Oxygenation
 - Cardiology & Resuscitation
 - Trauma
 - Medical/Obstetrics/Gynecology
 - EMS Operations
- Exam items are divided between adult patients (85%) and pediatric patients (15%)



Questions???



University of South Alabama

- Bachelor of Science
- Emergency Medical Service

- First initiated because we need educators.



Purpose/Goal of the Program

- To provide a baccalaureate level educational program for paramedics aspiring to careers in pre-hospital medicine and EMS administration and leadership.
- To prepare students as competent, entry-level EMS professionals.
- Prepare students for entry into post graduate programs.



Overview of the Curriculum

- **41** credit hour General Education Core
 - English 101 and 102 (6 hours)
 - Natural Sciences and Mathematics (11 hours)
 - Humanities (12 hours)
 - Social and Behavioral Sciences (12 hours)
- **22** credit hour Pre-Professional Core
 - Basic EMT (8 hours)
 - Anatomy and Physiology I and II (8 hours)
 - Statistics and Computer Applications (6 hours)

General Education Courses

Communications (6 hrs)

English 101	3
English 102	3

Humanities/Fine Arts (12 hrs)

Speech	3
Fine Arts Elective	3
Literature I	3
Humanities Elective	3

Additional courses (22 hrs)

Anatomy & Physiology I & II	8
Statistics	3
Computers applications	3
Basic EMT	8

Natural Science/Math (11 hrs)

Biology 101	3
Chemistry 101	3
Math 110	3

History/Social Sciences (12 hrs)

Psychology 120	3
History I	3
History II	3
Elective	3



Overview of the Curriculum

Professional Component

- 32 credit hour Paramedic Core
 - Meets or exceeds the DOT paramedic curriculum.
- 34 credit hour EMS Core
 - EMS leadership and administration.
 - EMS administration internship.



EMS Professional Courses

- EMS Systems
- Ems Administration
- Instructional Methods
- Health Insurance/Managed Care
- EMS Internship
- EMS Law and Legal Issues
- Issues and Trends
- EMS Research
- Disaster Management and Event Planning



EMS Internship Course

- Sites :
 - National Registry
 - NOLS – National Outdoor Leadership School
 - State EMS office
 - Miami Dade Fire Department
 - St. Louis EMS
 - Mobile EMA
 - American Heart Association
 - Others



Class Schedule and Duration

- Full time students –
- Part time students -
- Classes will be scheduled as followed:
 - Fridays 1:00 pm – 9:00 pm
 - Saturdays 9:00 am – 5:00 pm



Transfer Students

- Students who have taken their paramedic coursework elsewhere will be allowed to take a 6 semester hour 'bridge' course.
- The Bridge course provides these students an opportunity to obtain academic credits (up to 40) for their previous clinical education as a paramedic



Summary

- EMS Education has come a long way over the last 20 years.
- Over half of our Bachelor of Science students have gone on to graduate schools.
 - Several Physician's Assistant students
 - Masters in Healthcare Management
 - Masters in Emergency Management



Questions???